

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	2017	alkyl adj aryl adj (sulfonate or sulfonate) and emulsion	USPAT	OR	ON	2009/02/26 17:02
L11	1921	10 and @ad<"20031112"	USPAT	OR	ON	2009/02/26 17:02
L12	1	alkyl adj aryl adj (sulfonate or sulfonate) near emulsion	USPAT	OR	ON	2009/02/26 17:02
L13	2	alkyl adj aryl adj (sulfonate or sulfonate) near emulsion	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/26 17:03
L14	22	11 and "508".clas.	USPAT	OR	ON	2009/02/26 17:04
L15	1385	alkyl adj aryl adj (sulfonate or sulfonate) and emulsifier	USPAT	OR	ON	2009/02/26 17:07
L16	1300	15 and @ad<"20031112"	USPAT	OR	ON	2009/02/26 17:08
L17	20	16 and "508".clas.	USPAT	OR	ON	2009/02/26 17:08
L18	11	US-3285012-\$ DID. OR US-3808131-\$ DID. OR US-5670081-\$ DID. OR JP-01266200-\$ DID. OR JP-10241989-\$ DID. OR US-9635765-\$ DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:14
L19	4	18 and (sulfonate or sulphonate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:17
L20	7	"PHILLIPS, DEREK".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:22
L21	6	"OLLINGER, CHRISTIAN".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:23
L22	19	"KALHAN, SANJAY".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:23

L23	1075	"THE LUBRIZOL CORPORATION".as.	US PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:26
L24	1091	20 or 21 or 22 or 23	US PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:27
L25	645	24 and (sulfonate or sulphonate)	US PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:28
L26	77	25 and (alkyl or arene or aryl) adj (sulfonate or sulphonate)	US PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/26 17:28
S1	1	("5670081").PN.	USPAT; USOCR	OR	OFF	2009/02/25 22:10
S2	1	S1 and sulfonate	USPAT	OR	ON	2009/02/25 22:10
S3	4799	aryl adj sulfonate and (emulsion or emulsifier)	USPAT	OR	ON	2009/02/25 22:30
S4	4566	S3 and @ad<"20031112"	USPAT	OR	ON	2009/02/25 22:30
S5	456	S4 and oil adj water	USPAT	OR	ON	2009/02/25 22:31
S6	1	S2 and glycol	USPAT	OR	ON	2009/02/25 22:45
S7	0	S6 and triethanolamine	USPAT	OR	ON	2009/02/25 22:45
S8	1	S6 and ethanolamine	USPAT	OR	ON	2009/02/25 22:45
S9	138	S5 and triethanolamine	USPAT	OR	ON	2009/02/25 23:00
S10	2	S9 and "508".clas.	USPAT	OR	ON	2009/02/25 23:00

2/26/2009 5:30:13 PM

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